The steps to install robot arm package and RIVz.

1.1 Open new terminal.

1.2 Create a new folder with the name catkin_ws, inside it create a folder named src.By the command:

"mkdir -p ~/catkin_ws/src "

1.3 change directory to the catkin_ws folder that we already created.

"cd ~/catkin_ws/ "

And then ;

"catkin_make"

"cd ~/catkin_ws/src "

1.4 Download the packages insdie catkin_ws/src folder:

"git clone https://github.com/smart-methods/arduino_robot_arm.git "

And then;

"cd ~/catkin_ws"

"rosdep install --from-paths src --ignore-src -r -y"

"sudo apt-get install ros-noetic-moveit"

"sudo apt-get install ros-noetic-joint-state-publisher ros-noetic-joint-state-publisher-gui"

"sudo apt-get install ros-noetic-gazebo-ros-control joint-state-publisher"

"sudo apt-get install ros-kinetic-ros-controllers ros-noetic-ros-control"

Now in need to edit the file" bachrc" and add the source to the end of file:

"sudo nano ~/.bashrc"

At the end add this line:

"source /home/nada/catkin_ws/devel/setup.bash"

press ctrl + o to save the changes with the command:

"source ~/.bashrc"

Now launch RIVz by the command:

"roslaunch robot_arm_pkg check_motors.launch"